

ABSTRACT OF THE DISCLOSURE

A device used to treat heart disease by decreasing the size of a diseased heart, or to prevent further enlargement of a diseased heart. The device works by limiting the volume of blood entering the heart during each cardiac cycle. The device partitions blood within the heart, and protects the heart from excessive volume and pressure of blood. The device is placed within the interior of the heart, particularly within a ventricular cavity. The device is a hollow sac, with two openings, which simulates the shape and size of the interior lining of a ventricle of a normal heart. It allows the ventricle to fill through one opening juxtaposed to the annulus of the inflow valve to a predetermined, normal volume, and limits filling of the heart beyond that volume. It then allows blood to be easily ejected through the second opening through the outflow valve. By limiting the amount of blood entering the ventricle, the ventricle is not subjected to the harmful effect of excessive volume and pressure of blood during diastole, the period of the cardiac cycle when the heart is at rest. This allows the heart to decrease in size, or to reverse remodel, and to recover lost function. In some applications, a second device may be simultaneously placed inside the heart to take up excessive space between the heart and the primary device.